

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: klh@cbqaa.cb.att.com  
Subject: [5970] acronyms  
Message-ID: <9603220119.AA02230@ig4.att.att.com>

I'm all ears for some more industry mla's (multi letter acronyms).

Ref: RF connectors

1. SMA
2. BNC
3. TNC
4. N

72,

Kaye KD8EK

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: TGordish@aol.com  
Subject: [5967] Dayton Hamfest  
Message-ID: <960321183721\_174074216@emout07.mail.aol.com>

I am planning on buying my first serious QRP kit at this years hamfest in Dayton. I've got a Pixie which I built, but haven't had any contacts on it yet. (low, low power, and poor receiver)

What kind of selection is usually available at this big fest? Will Wilderness radio be their with kits to sell? Kanga? OHR?

73,

Tim G.

NorCal IDEA

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: larsennc@alaska.net (Nancy-KL7NY/Jim-AL7FS/Julian-WL7MP)  
Subject: [5948] F.S. QRP+, MFJ 9020, TS520S+ext VFO  
Message-ID: <v01510100ad76a0aba222@[206.149.66.215]>

Greetings from Alaska.

My QRP+ is for sale for \$500.00. I will pay shipping in the US. This rig is in mint condition.

I also have an MFJ 9020 (the 20 meter cw version)that I will sell for \$100.

I pay shipping in the US.

I also have a Kenwood TS520S and VF0520S for sale for \$325. Buyer pays shipping.

73,

Jim Larsen  
AL7FS  
Anchorage

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>  
Subject: [5982] Fox Report 96/03/21 (22utc)  
Message-ID: <9603220341.AA12589@wizard.ucs.sfu.ca>

Hi Everyone,

Thanks very much to all who listened for me. Sorry, there were a couple of weak ones that I just couldn't catch (or should I say get caught by ;-).

Sorry for the poor fist on occasion, definately QLF here.

Eighty meters turned out to be a bust. (Sorry Stan, I really did listen for you 8-( ). On moving back to 7040 +/- had to dance around the qrm a bit. Hope I didn't lose too many in the process.

Here are the results:

March 21, 1996 Fox

DATE	TIME	STATION	FREQ	MODE	SENT	RCVD	
96-03-22	01:01	VE7CTN	7.042	CW	599	599	
96-03-22	01:03	K6VNX	7.042	CW	439	449	
96-03-22	01:04	NQ7X	7.042	CW	439	449	
96-03-22	01:07	W6BAB	7.042	CW	449	449	
96-03-22	01:23	WA6NAE	7.041	CW	229	229	
96-03-22	01:29	WW7Y	7.041	CW	529	229	
96-03-22	01:40	WA1KPB	7.041	CW	329	559	
96-03-22	01:44	VE7FJE	7.110	CW	599	599	*
96-03-22	01:51	N6SSQ	7.110	CW	599	599	
96-03-22	01:53	K06KA	7.110	CW	559	559	
96-03-22	01:57	AA7QY	7.110	CW	539	549	
96-03-22	02:07	N6WG	7.044	CW	599	579	

96-03-22 02:12	WA7FCU	7.044	CW	579	579
96-03-22 02:14	KB50B	7.044	CW	559	559
96-03-22 02:21	KK5RO	7.044	CW	339	229
96-03-22 02:25	K9DZE	7.044	CW	549	449
96-03-22 02:40	AK5B	7.044	CW	569	559
96-03-22 02:41	WT7F	7.044	CW	579	339
96-03-22 02:44	WB4ZKA	7.044	CW	529	449
96-03-22 02:52	K06CL	7.044	CW	229	469
96-03-22 02:57	KQ6AG	7.044	CW	439	429

\* I think set the watts/mile record here. Let see 5watts/.5miles ...  
Oh well at least Dave was qrp with 2 watts ;-).

Thanks again Chuck for a great event.

cheers, Paul  
VE7CQK  
email: paul1@wizard.ucs.sfu.ca

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: "Kenneth C. Lotts" <aa7jc@aa7jc.ampr.org>  
Subject: [5981] HW9 Drift  
Message-ID: <Pine.LNX.3.91.960321203420.18357C-100000@svaip.fhu.primenet.com>

A friend of mine just bought a HW9 and has noticed a drift problem..

Are there any documents that I can download regarding a fix to this?

de Ken

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Ken Lotts Sierra Vista, AZ	<a href="http://www.primenet.com/~klotts">http://www.primenet.com/~klotts</a>
aa7jc@aa7jc.ampr.org	(voice/fax: 520 459-2035)
klotts@primenet.com	(BBS: 520 459-4269)
POWDERMILK BISCUITS	
Heavens, they're tasty and expeditious!	

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: DCrespy@aol.com  
Subject: [5968] IC735 and QRP  
Message-ID: <960321200928\_358226273@mail02.mail.aol.com>

Bob,

In the late 80's Icom ran a tech tips series of adds for their products. One specifically covered resetting the minimum power for the IC735, using the internal pots.. The adjustment was simple.. I will dig out the article tonight and post the relevant text to QRP-L and to you.

Good luck!!

Harry Crespy KG5LO

From owner-qrp-l@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: DCrespy@aol.com  
Subject: [5976] IC735 and QRP  
Message-ID: <960321214212\_358331958@emout10.mail.aol.com>

Bob,

I found the article..page 130 in QST, April 1989. condensed version of the article...

Cautions..use plenty of light and be careful not to pinch wires in covers, don't go more than 30 seconds at a time key down.

- place the radio upside down on a soft towel with front panel facing you
- remove 8 screws and lift off bottom cover
- in the upper right corner there are 4 small pots in an "L" shaped pattern
- locate R-267 near the bottom of the "L"...it sets the 'span' of the rf power control
- set the "RF Power" control to minimum, mode CW
- using a wattmeter and a dummy load adjust R-267 for 5 watts (or less?)
- set and check "RF Power" at high power and then again at low (now QRP)
- re-install cover

The article also covers other ICOM radios

IC-751 R-46 under top cover in center..same process as 735  
IC-751A no adjustment provided (should not be needed)  
IC 761 same as 751A  
IC 781 set "RF Power" to min, and reduce to QRP with "Drive" control  
IC 725 R-208 is under bottom cover, on main pc board top right quadrant when knobs are facing you...same process as 735

Hope this helps...If I transcribed something wrong..it will probably be obvious..e-mail me and I will take another look at the article.

Good luck and have fun

Harry Crespy..KG5L0

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: Larry East <LVE1@inel.gov>  
Subject: [5951] More 40-9er stuff  
Message-ID: <2.2.16.19960321160924.149f6050@134.20.32.17>

An item I left out of yesterday's post:

I increased the size of the bypass caps in the emitter circuit of the driver transistor and on the +V side of the decoupling choke to the final transistor from 0.01 to 0.1 uF. At 7 MHz, the impedance of a 0.01 cap is about 2.3 Ohms -- seems to me that 0.1 uF (0.23 Ohms) is a better choice for a bypass.

I stated that changing the choke in the final collector from 15 uH to 22 uH increased the output by 20%; its really more like 30%. With 15 uH, output is 0.70W; with 22 uH, it is 1.0W. I tried an 18 uH choke and that also gave about 0.7W. These measurements were made with 13.2V on the collector of the 2N4427 final and 6V (rather than 5V) to the NE602 (as stated in yesterday's post).

I found the source of the low audio -- a bad solder connection! I'm using small two-pin "strip sockets" for the antenna, etc. connections on the board, and the one for the speaker (? get serious; this thing won't drive a speaker!) output had a bad ground connection -- it finally opened entirely, which is how I found it! Much better now, but still not ear-splitting.

I changed the order of the choke and trimmer cap in the VX0 so that the side of the trimmer connected to the "tweak screw" is grounded. Much better -- a metal tipped alignment tool can now be used to change the VX0 frequency without screwing up the oscillator. This seemed like an obvious oversight in the original board design, and according to a recent post from Wayne it was. An interesting side effect: after this change, the VX0 range decreased from 5.1 kHz to 4.8 kHz. The same choke and trimmer cap (and xtal, of course) were used in both cases -- change in stray circuit capacity perhaps?

The simple mod involving feedback around the LM380 suggested by Paul, NA5N, sounds like it might be worth while -- I'll check it out. I have the applications handbook he mentioned at home, so I'll look it up. By the way -- the potential problem mentioned by Paul concerning no load on the audio amp output can be circumvented by connecting a 150 to 270 Ohm resistor from the audio output decoupling cap to ground (i.e., across the phone jack). This also eliminates the loud "pop" that occurs (with the unmodified circuit) when headphones are connected after power is applied to the rig

(due to the output cap discharging thru the headphones). I routinely do this on all my rigs.

I am a firm believer in the "KISS Principle" (Keep It Simple, Stupid!), so it is not my intent to turn this little rig into a "Monster". There are a lot of additions one could make, like a series resonant circuit at the receiver input to reduce shortwave broadcast feed-thru (I'm picking up some religious station at times -- don't know what frequency it's on), balanced input to the audio amp, etc., but I don't intend to do all this since this is REALLY a "toy rig" as far as I am concerned and it is interesting to see what CAN be done with a minimum number of parts. Component changes to optimize performance, on the other hand, I just can't resist doing... :-)

72 and happy tinkering -- Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: Alan Kaul <kaul@netcom.com>  
Subject: [5964] More 49-er measurements  
Message-ID: <Pine.3.89.9603211136.A17848-0100000@netcom21>

I went back to the Motorola Communications Analyzer this morning, and put a few more variables into the equation.

First, using a 12-inch clip lead (as opposed to soldering jumpers and unsoldering parts) I measured harmonics at the input to the pi-output filter.

Obviously my method was NOT perfect, I'm sure I introduced stray capacitance and stray inductance. But it's what I had in the time that was available.

Measurements with no harmonic attenuating filter.

Power Supply Voltage	Power Output (Watts)*	F1 (dB)	F2 (dB)	F3 (dB)	F4 (dB)
9.0	0.47	0	-5	-13	-25
13.0	0.64	0	-5	-15	-25

\* -- POWER OUTPUT is the sum of all emissions (i.e F1+F2+F3+... etc)

The output of the rig was then measured at the coax connector:

V	Power	F1	F2	F3	F4
7.0	0.25	0	-17	-37	-39
8.0	0.34	0	-16	-37	-38
9.0	0.42	0	-16	-37	-38
10.0	0.52	0	-15	-36	-38
11.0	0.60	0	-14	-36	-37
12.0	0.67	0	-15	-37	-38
13.0	0.75	0	-15	-37	-38

NOTE: Some of today's measures might differ slightly from measurements made with the same equipment with the same power source, with the same transmitter, etc., yesterday(!)

All measurements were made at a nominal frequency of 7.040 (I didn't calibrate for each measurement, and only occasionally looked at the freq. counter, but the VX0 was not changed between tests, and on those few occasions when I looked at the freq counter, it was more than 200-250 cycles off frequency).

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: Alan Kaul <kaul@netcom.com>  
Subject: [5965] More 49-er measurements (revised)  
Message-ID: <Pine.3.89.9603211218.A17848-01000000@netcom21>

I went back to the Motorola Communications Analyzer this morning, and put a few more variables into the equation.

First, using a 12-inch clip lead (as opposed to soldering jumpers and unsoldering parts) I measured harmonics at the input to the pi-output filter.

Obviously my method was NOT perfect, I'm sure I introduced stray capacitance and stray inductance. But it's what I had in the time that was available.

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\* -- POWER OUTPUT is the sum of all emissions (i.e F1+F2+F3+... etc)

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10.0	0.52	0	-15	-36	-38	
11.0	0.60	0	-14	-36	-37	
12.0	0.67	0	-15	-37	-38	
13.0	0.75	0	-15	-37	-38	

NOTE: Some of today's measures might differ slightly from measurements made with the same equipment with the same power source, with the same transmitter, etc., yesterday(!)

All measurements were made at a nominal frequency of 7.040 (I didn't calibrate for each measurement, and only occasionally looked at the freq. counter, but the VX0 was not changed between tests, and on those few occasions when I looked at the freq. counter, it was no more than 200-250 cycles off frequency).

[<Alan Kaul, W6RCL>] kaul@netcom.com



From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: DCrespy@aol.com  
Subject: [5977] NN1G microphonics  
Message-ID: <960321214208\_358332032@emout04.mail.aol.com>

I posted a note about this problem a few days ago..America on Line lost my e-mail and my digest on the next day (I recovered the digest using "archives"..but still don't now if anyone replied direct. I'd appreciate any retries.

Basically its a growing but intermittent problem.. It took 2 years to get this bad..going from picking up only capacitor rotation to picking up the noise from my desk drawer rollers! The rig is an NN1G MK II for 20 meters (the Dan's version..no extra bells and whistles).

Any help..this is a really fun little rig..I hate to loose it.

Thanks,

Harry Crespy KG5LO

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: Dick Slavens <aero@napanet.net>  
Subject: [5949] OHR WM-1 Kit  
Message-ID: <3150F727.7A2D@napanet.net>

Marshall,

Finished the wattmeter kit today.

The only real problem I had was calibration of the 100 mw range. The internal R6 Pot. was too coarse to set the voltage at the "test loop" for exactly .251 VDC. I couldn't seem to get closer than +/- .004 VDC, which amounted to a good amount of meter movement. What I did was to cut JP1 and insert a external voltage source (I just happened to have a portable voltage Dattel test set at home, +/- 0.015% accuracy certified to NBS, way overkill, you just enter the voltage you want on the keyboard) to Pin 3 of U1 to get exactly .251 VDC at the "test loop". On my unit it was .165 VDC, one could have used a voltage divider with a 1.5 V battery.

Hint: I started to use a piece of sandpaper to remove paint for circuit grounds per manual. It was tough paint and slow going, so I got my Dremel Tool with the small wire brush attachment. With that combo I was

able to finish the job in just a few Min.

Very nice kit, I would recommend it to anyone looking for this type of QRP meter. I'll start the Explorer II in the morning.

I'll post a copy of this to the qrp-l for the new QRP guys, like me.

73,

Dick WA6TMF Napa, CA

From owner-qrp-l@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: launerb@crl.com (William H. Launer)  
Subject: [5953] On-Line Catalog  
Message-ID: <v01520d00ad7731bc7959@[192.0.2.1]>

qrp-l gang,

I've not had any dealings with Digi-Key for a long time. I've seen postings both pro and con about the company. Like nearly everyone else, I get their catalogs and promptly misplace them. They now have their catalog on the web - the address is <<http://www.digikey.com>>. I looked at it, and it looks like a good reference. The part number search feature gives a simple description of the item.

For what it's worth....

72/73 Bill wb0cld

Bill Launer  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-l #279 qrp arco #3551

From owner-qrp-l@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: "Lau, Zack, KH6CP" <zlau@arrl.org>  
Subject: [5961] output filter  
Message-ID: <31519378@arrl.org>

>WA3REY wrote:

> >>So- what's the best spurious attenuation that can be expected from a  
>>>single-section pi filter using optimum Q in the coil when designing the  
>>>filter?

>

>It attenuates the 2nd harmonic by 28 dB. You could argue that it is a  
bandpass

I ought to add that this number assumes a linear, time invariant system.  
Figuring out the interaction between a non-linear device and an output  
network is a rather challenging problem most people sidestep unless  
offered suitable incentives.

Zack KH6CP/1

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: bruce@net.com (Bruce Florip)  
Subject: [5962] qrp items for sale via packet  
Message-ID: <9603211744.AA06922@trappist.net.com>

Please don't reply to my email address... this is via a packet gateway.  
So, use packet or the phone to contact these guys. Remember I'm only the  
messenger... we don't shoot messengers now do we?

73, Bruce aa7ar/6

Subject: COLO QRP CLUB SWAPLIST 03/19  
Comment: via NOARY/BBS gateway  
From: NONMO@NORSE.#NECO.CO.USA.NA  
To : QRP@USA

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: COLORADO QRP CLUB - SWAP LIST - Mar.19, 1996 :
: To list items . Send listing to NONMO - Rodney Hansen :
: Internet dhansen@bvsd.k12.co.us 702 E. Baseline Rd :
: or (303)665-9324 Lafayette, Colo 80026 :
: Packet NONMO@NORSE.#NECO.COUSA.NOAM :
:-----
```

\*Looking for additions of QRP items and related equipment to add to  
the QRP Swaplist. Please let me know if you have QRP items to SELL-TRADE  
\*GIVE AWAY - OR WANT. tnx de Rod NONMO

\$\$\$ FOR SALE \$\$\$

W8LRM - Albert - W8LRM@N8RCU.#SWMI.MI.USA.NOAM

Have several "Band-kits" for the Heathkit HW-9 He will have several with him at Dayton QRP Hospitality room. Price not available yet but around \$30.00 each. plus shipping.

N0LYW - Lee (970) 856-6611

Heathkit HW-8 80-40-20-15 meter QRP Rig, i org. box \$ 125.00

Atlas 180 Solid State Transceiver, with power supply, speaker,  
and mic. \$ 175.00

Drake AC-4 Power Supply \$ 65.00

KK5B - Jimmy (806) 746-6223 or KK5BL@WB5EKW.#WTX.TX.USA.NA

HEATH - Station Monitor Displays transmitted & rcvd CW,SSB & RTTY

Makes a good RTTY Tuning indicator. excellent condition, with original manual. will consider trade for DSP or ??? ...Make offer

DRSI DPK-2 TNC Will run with almost any terminal program..

would like to trade for DSP.

Sick SWAW 350. Power supply good, new speaker, tubes light up, but will not xmit or rcv.. Make offer.

New Vibroplex Iambic .....\$ 65.00

Vibroplex presentation model. Made in 1944. ...Make offer.

WANTS: Coax switches and Dow Key coax relays, or similiar.

WA8RXI - Rick (313)561-4839 wa8rxi@wb8zpn.#semi.mi.usa.noam

RAMSEY 40 meter -xmtr and rcvr, built and ready to go. \$ 50.00

KG0PP - Jim Pope (303) 366-7864 #4

TEN TEC Argonaut 505, CW and SSB 5-Band, 80-10 meters, Factory  
reconditioned in 1993! Manual and Microphone. \$250.00

A&A Engineering, Gary Breed design, 20 meter CW. An honest 5w out...

a real flame thrower on 20 m QRP, VFO, rig originally built by

Chuck Adams K5FO \$125.00

Oak Hills HP QRP Transceiver 30 meters, RIT, VFO, Spot switch, 66 ma

rcv 217 ma (yes really) transmit for 1.4 watts out ...very efficient...

low current draw, very light weight, full band coverage \$ 80.00

Tejas Engineering Backpacker II, 15 meters, DC receiver, RIT, Spot

Switch, 2 stage audio filter, QSK, low current draw, 1.1 watt out. \$80.00

KE0ER - Carl - (303) 363-8870 10 am - 1:30 pm packet KE0ER@NORSE

Ten-Tec Scout 555 has optional Noise Blanker and all bands 80-10

with WARC In box with manual \$ 600.00 obo

AA0XI - Marshall - (303) 753-3382 #154 or 75230.1405@compuserve.com

QRP TRANSMITTER: 30M 0.5 - 5.0 watts

Based on Ramsey QRP30 kit w/ 5w class C amplifier. Front panel

has on/off & QRP/QRPP switches, LEDs for pwr on, high pwr, and transmit, +/-5 KHz VXO on 10.108 xtal A/B switch second xtal easy addition. Parts cost. \$70.00 trade/offer

N5JWL - Richard - (210) 521-5105 days & weekends.#127  
TEN-TEC KR-50 Keyer in great condition. \$ 50.00 shipped  
ASTRON - RS-20 Power Supply in new condition - \$ 75.00

K9ILA - Pat - (309) 274- 2006 after 3:30 pm - 9 pm central time  
TEN-TEC Argonaut Model 509 Transciever - Mint Condition..  
80 - 10 mtrs. SSB / CW 5 watts in 2.5 watts out. inped

N2MUU - Keith N2MUU@KA2MYD  
Yaesu FT-301S HF xcvr 0-10 watts w/matching FD-301D power supply and speaker. 160 - 10 meters SSB,CW,AM and FSK w/RIT clarifier & notch filter. as well as 11 fixed freq. positions (no xtals now)  
PS is HD 25 amp@ 13.8 vdc- 24 hr clock and optional IDer \$350.00 shipped

### WANTED ###

VE7IGZ - Rob - (604)853-5870 VE7IGZ@VE7KIT.#VANC.BC.CAN.NA OR  
rbell@uniserve.com  
Wants Heathkit HW-9 or HW-8 working or not.

KB0ROL - Brad - (303) 752-0138 or bmug@gwl.com  
Wanted HF-RIG General covera87-3580 wa6ger@wa6rdh  
Looking for Ramsey QRP amp. any frequency also need case for transmitter and for receiver... Might buy whole thing to get the case.

@@@ Events of Interest @@@

Listen for CQC Colo. Qrp Club Net Monday nite 8 p.m 147.225 or 145.460 in Boulder - and 145.160 in Colo. Springs.

For membership information for CQC: \$10.00 Annual dues  
Colo. QRP Club - Mark Meyer-WU0L 14153 W. 1st. Drive Golden Co. 80401  
(303) 278-7573 E-Mail WU0L@aol.com or W0HEP@KT0H.#neco.co.usa.noam

Meeting Colo QRP Club May 18, 1996 10 a.m. Castlewood Public Library  
2 lights west of I-25 on Arapahoe Rd. at South Ulinta St.

SWAPFEST -- April 6, 1996 Longmont ( Boulder County Fairgrounds)  
SWAPFEST -- April 14, 1996 ARA (Adams County Fargrounds)  
For tables contact Judi WD0HNP (303) 450-6910

End ofub Swaplist...

From owner-qrp-l@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: TIMOTHY J PETTIBONE <tpettibo@NMSU.Edu>  
Subject: [5966] Reconnecting  
Message-ID: <Pine.A32.3.91.960321152659.54459A-100000@hector>

OK, so I remembered how to postpone so I could go out of town for several days. I'm back now without a clue as to how to reconnect - or do I just resubscribe to qrp-l? Also, how do I get to look at all of the past week's traffic?

Tim AB5OU  
Las Cruces, NM

From owner-qrp-l@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: bruce@net.com (Bruce Florip)  
Subject: [5963] Sierra opinions please  
Message-ID: <9603211738.AA06864@trappist.net.com>

QRP-l folks,

There is a fellow ham that needs some qrp info. We do that well, so:

The following packet message was forwarded to me via a packet-internet gateway. Please formulate your Sierra Opinions.

(You can reply directly to Rob via packet, or via another packet gateway. If you want to

send your response to me I can forward it via the gateway. [only registered members

may the n0ary gateway]). Isn't hamming confusing?... only kidding.

73, bruce aa7ar/6

---forwarded packet message

follows-----

Subject: Norcal Sierra-how good?  
Comment: via N0ARY/BBS gateway

From: VE7IGZ@VE7KIT.#VANC.BC.CAN.NA  
To : QRP@ALLUS

Hi I'm thinking of buying the Norcal Sierra from Wilderness kits and was

wondering how well this rig performs and is it worth the money,I can only afford to buy one band pack with it so which should I get for good all round dxing 40 or 30? Any comments on the Sierra would be greatly appreciated,thanks and 73.

73 - Rob, VE7IGZ @ VE7KIT

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: John McKee <jmckee@rfmd.com>  
Subject: [5959] ssop  
Message-ID: <199603211722.MAA04057@mh004.infi.net>

Gang,

SSOP stands for "shrunk small outline package"

72/73

John McKee  
WB40FT  
RF-Micro Devices

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: kellner@usa.acsys.com (Richard G. Kellner)  
Subject: [5952] SSOP packages  
Message-ID: <9603211615.AA08726@usa.acsys.com>

N3REY's posting yesterday:

> From: "JOHN F. McCLUN" <JFM001@DENTAL3.AB.UMD.EDU>  
> Subject: [5926] DDS Proto Board, Rcvr Chip & CP Contrlr 4Sale

prompted me to ask whether any of you have found good ways to prototype with SSOP packages. The "Rcvr Chip" John mentioned, the AD607, comes in such a SSOP package. I'm not sure what SSOP stands for, but it's the microminiature one which looks like a centipede, and it must be something like Slip-Sliding all Over the Place, hi.

I have not seen something like a "surfboard" for SSOP devices, and dead-bug prototyping doesn't seem promising. The only alternatives I see are building my own surfboards or going directly to a prototype circuit board for part or all of the circuit.

Any ideas? Thanks and 73,  
Rich W5RXP

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: Thom.LaCosta@f0.n105.z105.fido261.qis.net (Thom LaCosta)  
Subject: [5947] Surplus Crystal Exchange  
Message-ID: <33a\_9603202239@fido261.qis.net>

"John Kirk, VE6XT" wrote in a message to All:

"KV> From: "John Kirk, VE6XT" <jakirk@freenet.calgary.ab.ca>

"KV> Subject: Surplus Crystal Exchange

"KV> Just so we don't leave anyone hanging (all 3 of you that

"KV> responded): While the idea is technically feasible, there does not

"KV> appear to be sufficient interest.

Well, I got two takers for the remote query database idea for the crystal bank...so I'm shelving that idea. Better luck with the next one.

Thom LaCosta  
N3WDV  
Home of HAMLIB  
--

|Internet: Thom.LaCosta@f0.n105.z105.fido261.qis.net  
|Standard disclaimer: This user speaks only for him/her self.

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: Mike James <msj@best.com>  
Subject: [5969] SWR bridge  
Message-ID: <31520122.4C0D@best.com>

Greetings QRPers,

Can anyone suggest a good SWR bridge circuit I could mount in my Wilderness (NorCal) Sierra? It would drive a 50 or 100uA meter movement. I could then put a switch in that would select forward, or reverse power, or S-meter functionality for the meter. I want to take the radio on backpacking trips, and don't want to carry an extra box along.

Thanks!



Mike James  
KE0CH

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: "TimCook" <timcook@erinet.com>  
Subject: [5972] Transmatch  
Message-ID: <199603220223.VAA08207@in-mail.erinet.com>

I have been following the discussion on the antenna tuners and specifically the Johnson Transmatch. I have a 250 watt version that I thought I would try out on a zepp fed with 450 ohm ladder line. My question is for someone who is familiar with that particular matchbox. Is it normal for the built-in switching to require 115v on the relay in order to use it just as a matchbox, and not the rx control etc? Mine seems to be wired that way, and wondered if that was normal, I would prefer it to be the opposite. I really don't want to rewire or modify it. Anyone have info?

Thanks  
Tim NZ8J.  
Tim Cook  
timcook@erinet.com

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>  
Subject: [5975] Variometer Ant Tuner  
Message-ID: <Pine.A32.3.90.960321200249.31482A-100000@weyl.math.Virginia.EDU>

Claton, KA0GKC, points out that the 1977 ARRL Handbook has an article describing a single band antenna tuner using variometers. I'll try to get hold of a copy of the article and look over the design. It would be worthwhile to me if I could extend the design even to two bands (I mostly operate 80m & 40m) -- perhaps by switching (plugging in?) different fixed capacitances.

Thanks to Claton for the response!

72, Ralph AA6UL/4  
Charlottesville, VA

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: KT3A@aol.com  
Subject: [5978] Variometer Construction

Message-ID: <960321214617\_358336131@mail04>

Hello,

For those following the thread on variometers,  
I ran across an article on construction of the  
variometer. It appeared in September '91 issue  
of "73". The article was a one page instruction  
guide on assembly and operation.  
At the end of the article, there was an offer for  
a kit by a company. Anyone build this kit?  
Are they still offering the kits? They were  
not inexpensive by my idea of what makes  
up a variometer.  
The name is Curry Communications  
852 North Lima Street, Burbank, CA 91505.

72 de cameron, kt3a QRP-L 7 ><>

From owner-qrp-l@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: CLATON.CADMUS@hamlink.mn.org (CLATON CADMUS)  
Subject: [5956] VARIOMETER/GONIOMETER  
Message-ID: <827407537.AA05723@hamlink.mn.org>

RL>From: "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>  
>Subject: Variometer/Goniometer  
>Message-ID: <Pine.A32.3.90.960319180511.26070A-100000@weyl.math.Virginia.EDU  
>Date: Tue, 19 Mar 1996 18:24:26 -0500 (EST)  
Ralph l Irons wrote:

>Stan, do you have an antenna tuner design using a variometer?

The 1977 ARRL Handbook describes an antenna coupler for 80 meters that  
uses a pair of variometers. Interesting reading, the unit is designed  
for balanced feeders and single band operation.

73 de Claton Cadmus, KA0GKC

```
-----  
| FIDOnet= Claton Cadmus 1:282/100 |  
| INTERNet= Claton.Cadmus@hamlink.mn.org |  
| PACKETnet= KA0GKC@WB0GDB.#STP.MN.USA.NA |  
-----
```

If anything I have written makes any cents, I claim copyright!  
\* SLMR 2.1a \* If messy shacks were worth money, I'd be a millionaire!

---NoSnail v1.17

\*\*\*\*\*

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\*\*\*\*\*

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996

From: "Mark S. Adams" <MSADAMS@ACSU.BUFFALO.EDU>

Subject: [5950] WTB: Heath SWR/PWR Mtr.

Message-ID: <31518F00.1FAE@ACSU.BUFFALO.EDU>

I have a Heath antenna tuner model HFT-9-B that came to me in a package deal with a mint HW-9 a few months ago. Does anyone have for sale the matching SWR/PWR meter? I do not know the model number of this unit.

Please e-mail me directly.

Thanks,

Mark Adams, N2VPK

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996

From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>

Subject: [5955] Re: 49er

Message-ID: <Pine.OSF.3.91.960321105552.17365A-100000@duke.usask.ca>

Where can I get more information about the 49er. I am new to amateur radio and would like to try my hand at building something for 40 m. Is the 49er a good place to start?

What do people recommend as kits for beginners?

Brian Buydens

Department of Computing Services

University of Saskatchewan

email: Brian.Buydens@usask.ca

VE5RDV

There was a young poet named Dan,

Whose poetry never would scan.

When told this was so,

He said, "Yes, I know.

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996

From: markem@primenet.com (Mark Monninger)

Subject: [5971] Re: acronyms

Message-ID: <199603220150.SAA08338@usr5.primenet.com>

At 12:54 AM 3/21/12, klh@cbqaa.cb.att.com wrote:

>I'm all ears for some more industry mla's (multi letter acronyms).

>Ref: RF connectors

> 1. SMA

> 2. BNC

> 3. TNC

> 4. N

>

SMA = ??? I think the M is for Motorola but I'm not sure.

BNC = Bayonet Neill-Councilman (after the two guys who developed it).

TNC = Threaded Neill-Councilman (ditto)

N = Neill

I apologize if the spellings are incorrect. If you look at the N/BNC/TNC connectors you'll see the resemblance. Neill and Councilman were (are?) engineers working for Bell Labs, I think, when they developed these connectors. I don't remember what SMA stands for.

73... Mark AA7TA

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996

From: "David D. Meacham" <ddm@datatamers.com>

Subject: [5973] Re: acronyms

Message-ID: <Pine.LNX.3.91.960321182703.27333F-100000@dt1.datatamers.com>

Kaye,

I forgot another common one: HN.

72, Dave, W6EMD

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996

From: "David D. Meacham" <ddm@datatamers.com>

Subject: [5974] Re: acronyms

Message-ID: <Pine.LNX.3.91.960321182512.27333D-100000@dt1.datatamers.com>

Kaye,

You can add the following: C, SC, UHF.

72, Dave, W6EMD

-----

On Thu, 21 Mar 1996 klh@cbqaa.cb.att.com wrote:

> I'm all ears for some more industry mla's (multi letter acronyms).  
> Ref: RF connectors  
> 1. SMA  
> 2. BNC  
> 3. TNC  
> 4. N  
>  
> 72,  
> Kaye KD8EK  
>  
>

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: "Harvey D. D. Hetland" <HDHETLAND@paccd.cc.ca.us>  
Subject: [5979] Re: acronyms  
Message-ID: <3B1E4FB26C7@manage.paccd.cc.ca.us>

> 1. SMA  
> 2. BNC  
> 3. TNC  
> 4. N  
>

Well, I think I can do three out of the four. The N connector was developed by a chap by the name of Paul Neill at Bell Labs. There is also a C connector that attaches with a bayonet action that was designed by Carl Concelman. The two connectors are named for their designers. They worked together to develop the BNC during the second world war and hence the BNC stands for "bayonet Neill Concelman". It was found that the vibration in aircraft rendered the BNC undependable so a threaded version was designed known as the "threaded Neill Concelman" or TNC connector. This is taken from information in an article written by John Morelli, which appeared in the March, 1986, page 16, "Connection Technology".

Maybe somebody can shed some light on the origins of SMA.

73, Harvey, N6MM.

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996

From: n1ist@netcom.com (Michael L. Ardai)  
Subject: [5980] Re: acronyms  
Message-ID: <199603220325.TAA04878@netcom5.netcom.com>

Not sure who came up with them, but SMA stands for Sub Miniature "A"  
(and SMB and SMC are the obvious next two in that series.)  
/mike

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: aa7qy@primenet.com (Roger Hightower)  
Subject: [5983] Re: Fox Report 96/03/21 (22utc)  
Message-ID: <199603220356.UAA07377@usr5.primenet.com>

At 07:41 PM 3/21/96 PST, Paul Erickson wrote:

>(Snip)... On moving back to 7040 +/- had to dance around the qrm  
>a bit. Hope I didn't lose too many in the process.  
>

Paul, I heard you very well on 7040 but couldn't cut through the qrm, so had  
to move up to 7110.

Good signal using the 40-9er on 7040, but finally had to resort to the HW-9  
and 3 watts.

Sad to see this end, but am looking forward to 30M this summer and the next  
hunt in the fall.

72/73, de Roger AA7QY

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: mizrahi@svlhp8.scs.philips.com  
Subject: [5958] RE: More audio from LM380/40-9er  
Message-ID: <9603211720.AA08002@svln20.scs.philips.com>

I tried the positive feedback circuit with 470K/10K resistors.  
This is absolutely a positive feedback, save your ears and bypass  
the resistor to ground.  
Didn't oscilate after that, but could not tell the difference  
in the audio gain.  
Interested to know what other people are getting.

73 DE ORI AC6AN

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: JEVERHART@cayman.vf.mmc.com  
Subject: [5954] RE: SSOP packages  
Message-ID: <960321112622.23e80d76@carib.vf.mmc.com>

Rich, you wrote, in part:

>I'm not sure what SSOP stands for, but it's the microminiature one which  
>looks like a centipede, and it must be something like Slip-Sliding all Over  
>the Place, hi.

You make it too easy... I think it is actuall an "SSOB" package, which  
obviously stands for "Small Son of a B\_\_\_\_"! :-)

Sorry, I couldn't resist. We have a simple solution for dealing with packages  
like that where I work. We jsut find a good tech and say "figure out how to  
mount this thing!"

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Thu Mar 21 22:14:56 1996  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: [5957] Re: SSOP packages  
Message-ID: <199603211642.JAA28878@zia.aoc.nrao.edu>

Rich and others,  
Sometimes we forget how mysterious these "industry standard"  
abbreviations must be to some ...

SSOP - Shrink Small Outline Package, sometimes referred to as  
Super Small Outline Package, and "in-the-lab" called  
Small Son Of a B\*\*\*\* Package!  
DIP - Dual In-Line Package (standard IC type)  
SIP - Single In-Line Package (device with pins on only one side,  
such as some resistor networks, etc.)  
PLCC - Plastic Leaded Chip Carrier (an IC with 100 or more pins,  
drops into a socket, like a Pentium chip, some programmable  
logic chips, etc.)  
SO - Small Outline (another surface mounted variety)  
QFP - Quad flat pack (yet another surface mounted device, except

with leads on all four sides of the package).

Often you will see SMC (surface mounted component) or SMD (surface mounted device). This is not a packaging style, just a generic term to indicate a "surface mounted" component of one flavor or another.

And I remember when winding a coil on a busted type-80 rectifier tube base was neat! Homebrew plug-in coil ... how could it get any neater than that?

Paul NA5N